

CLAIM AMENDMENTS

8. (Original) An automotive lamp assembly comprising:

a main reflector generally having the form of a shell defining an enclosed volume, and having a reflective interior surface generally facing in a forward axial direction towards an opening, the main reflector having an optical depth being the maximal distance along the axis between transverse planes intercepting the reflective surface; and having a reflector radius being the maximal distance transverse to the axis from the axis to the reflective surface; wherein the ratio R of the optical radius to the optical depth is greater than 2; one or more LEDs positioned within the enclosed volume and about the axis to generally face in the forward direction; and an intermediate reflector, located along the axis forward of the one or more LEDs, the intermediate reflector having a reflective surface, the reflective surface generally facing opposite the forward direction with normals ranging between 0 degrees to 90 degrees with respect to rearward axis.

9. (Original) The assembly of claim 8, wherein the intermediate reflector and the one or more LEDs are joined as a replaceable unit coupled to an opening formed in the main reflector.

10. (Original) The assembly of claim 8, wherein the intermediate reflector is supported by a central post.

11. (Currently Amended) ~~The assembly of claim 8,~~

An automotive lamp assembly comprising:

a main reflector generally having the form of a shell defining an enclosed volume, and having a reflective interior surface generally facing in a forward axial direction towards an opening, the main reflector having an optical depth being the maximal distance along the axis between transverse planes intercepting the reflective surface; and having a reflector radius being the maximal distance transverse to the axis from the axis to the reflective surface; wherein the ratio R of the optical radius to the optical depth is greater than 2;

one or more LEDs positioned within the enclosed volume and about the axis to generally face in the forward direction;

an intermediate reflector, located along the axis forward of the one or more LEDs, the intermediate reflector having a reflective surface, the reflective surface generally facing opposite the forward direction with normals ranging between 0 degrees to 90 degrees with respect to rearward axis, and

wherein the intermediate reflector is supported by two or more posts offset from the axis.

12. (Original) The assembly of claim 8, wherein the intermediate reflector is supported by a light transmissive wall.

13. (Original) The assembly of claim 8, wherein the intermediate reflector is supported by a coupling to the main reflector.

14. (Currently Amended) ~~The assembly of claim 13,~~

An automotive lamp assembly comprising:

a main reflector generally having the form of a shell defining an enclosed volume, and having a reflective interior surface generally facing in a forward axial direction towards an opening, the main reflector having an optical depth being the maximal distance along the axis between transverse planes intercepting the reflective surface; and having a reflector radius being the maximal distance transverse to the axis from the axis to the reflective surface; wherein the ratio R of the optical radius to the optical depth is greater than 2;

one or more LEDs positioned within the enclosed volume and about the axis to generally face in the forward direction;

an intermediate reflector, located along the axis forward of the one or more LEDs, the intermediate reflector having a reflective surface, the reflective surface generally facing opposite the forward direction with normals ranging between 0 degrees to 90 degrees with respect to rearward axis, and

wherein the intermediate reflector is supported by a coupling to the main reflector, and

wherein the coupling to the main reflector includes a light transmissive wall.

15. (Currently Amended) ~~The assembly of claim 8,~~

An automotive lamp assembly comprising:

a main reflector generally having the form of a shell defining an enclosed volume, and having a reflective interior surface generally facing in a forward axial direction towards an opening, the main reflector having an optical depth being the maximal distance along the axis between transverse planes intercepting the reflective surface; and having a reflector radius being the

maximal distance transverse to the axis from the axis to the reflective surface;
wherein the ratio R of the optical radius to the optical depth is greater than 2;
one or more LEDs positioned within the enclosed volume and about the axis to
generally face in the forward direction; and
an intermediate reflector, located along the axis forward of the one or more
LEDs, the intermediate reflector having a reflective surface, the reflective
surface generally facing opposite the forward direction with normals ranging
between 0 degrees to 90 degrees with respect to rearward axis, and
wherein the intermediate reflector is supported by a cylinder surrounding said
one or more LEDs.

16. (Original) The assembly of claim 8, wherein the two or more LEDs are
symmetrically arrayed around the axis.

17. (Original) The assembly of claim 8, wherein one or more rings of LEDs are
arrayed around the axis.

18. (Currently Amended) ~~The assembly of claim 8,~~

An automotive lamp assembly comprising:

a main reflector generally having the form of a shell defining an enclosed
volume, and having a reflective interior surface generally facing in a forward
axial direction towards an opening, the main reflector having an optical depth
being the maximal distance along the axis between transverse planes
intercepting the reflective surface; and having a reflector radius being the
maximal distance transverse to the axis from the axis to the reflective surface;
wherein the ratio R of the optical radius to the optical depth is greater than 2;

one or more LEDs positioned within the enclosed volume and about the axis to generally face in the forward direction; and

an intermediate reflector, located along the axis forward of the one or more LEDs, the intermediate reflector having a reflective surface, the reflective surface generally facing opposite the forward direction with normals ranging between 0 degrees to 90 degrees with respect to rearward axis, and

wherein a first set of LEDs provide a first color, and a second set of LEDs provide a second color, and the first set of LEDs and the second set of LEDs may be independently operated electrically.

19. (Original) The assembly of claim 8, further comprising a light transmissive cover lens closing the defined opening in the main reflector.

CLAIM STATUS:

Claims 1 - 7: (Canceled)
Claims 8 - 10: (Original)
Claim 11: (Currently amended)
Claims 12 - 13: (Original)
Claim 14: (Currently amended)
Claim 15: (Currently amended)
Claims 16 - 17: (Original)
Claim 18: (Currently amended)
Claim 19: (Original)